Academic Program Review

ACADEMIC YEAR	2013-2014	☐ Basic Skills ☐ Transfer ☒ Career Technical Education (CTE)
PROGRAM	Building Construction Technology	
DEPARTMENT	Industrial Technology	
DIVISION	EWD Division	
SUBMITTER	Jose Velasquez	

I. INSTITUTIONAL GOALS

INSTITUTIONAL GOAL **1**	**INSTITUTIONAL MISSION AND EFFECTIVENESS** – The College will maintain programs and services that focus on the mission of the College supported by data-driven assessments to measure student learning and student success.
INSTITUTIONAL GOAL **2**	**STUDENT LEARNING PROGRAMS AND SERVICES** – The College will maintain instructional programs and services which support student success and the attainment of student educational goals.
INSTITUTIONAL GOAL **3**	**RESOURCES** – The College will develop and manage human, technological, physical, and financial resources to effectively support the College mission and the campus learning environment.
INSTITUTIONAL GOAL **4**	**LEADERSHIP AND GOVERNANCE** – The Board of Trustees and the Superintendent/President will establish policies that assure the quality, integrity, and effectiveness of student learning programs and services, and the financial stability of the institution.

II. PROGRAM GOALS

A. PAST – EVALUATION OF PREVIOUS CYCLE OBJECTIVES/PROGRAM GOALS (SET IN PREVIOUS YEAR)

List your previous objectives/goals and associated Institutional Goals. All program goals must address at least one of the institutional goals.

PAST PROGRAM GOALS (Describe past program goals.)	INSTITUTIONAL GOAL(S) (Check all that apply.)

1	PAST PROGRAM GOAL #1	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: The past goals of the program is to continue offering training that is relevant to the changing construction industry and to be able to offer these trainings in a state of the art facility where students will feel in a more comfortable learning environment	☐ 1 ☒ 2 ☐ 3 ☐ 4
	☐ Met ☒ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** The development and application of new technology in the courses and programs is still pending due to the fact that the new lab has not been completed. Part of the issue that was impeding the application of new technology in the programs was the lack of equipment and the lack of lab space to accommodate the new equipment. Once the new lab is completed the program will focus on installing newly acquired equipment and procure additional equipment to fully offer the latest technology in instruction both in a lecture and hands on approach.	

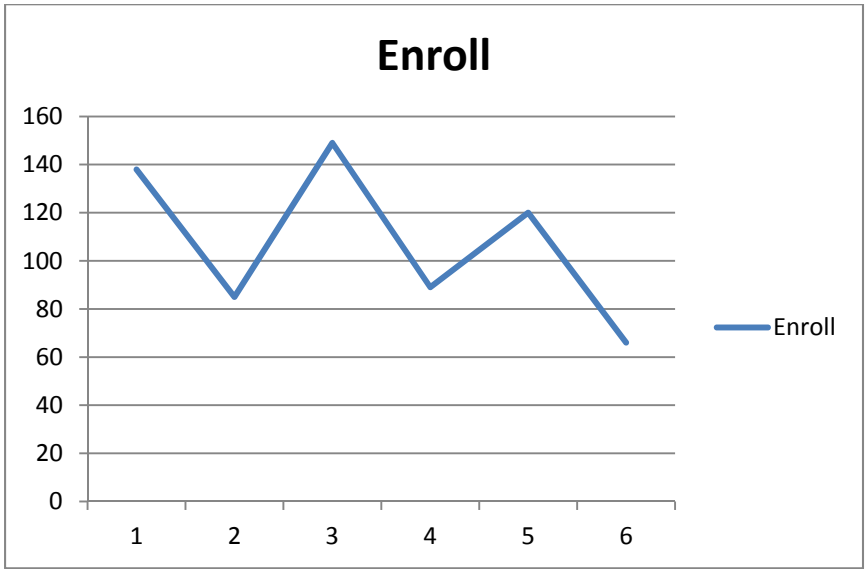
2	PAST PROGRAM GOAL #2	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: In addition one of the last goals for the program is to develop a stronger link with the local industry so they can hire more of the students that complete the program.	☐ 1 ☒ 2 ☒ 3 ☐ 4
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** The link with the industry has been establish through the continuous advisory meetings held annually. The connection with the industry has proven very effective because the instruction is catered to the needs of the industry which makes it an easier transition for the industry to hire students from our programs.	

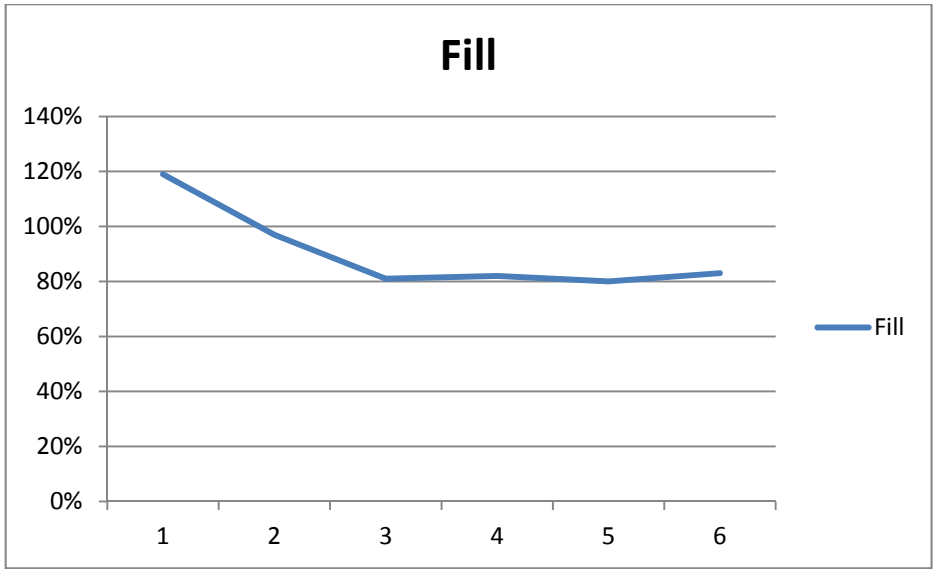
3	PAST PROGRAM GOAL #3	INSTITUTIONAL GOAL(S)
	Identify Program Goal from Last Program Review: In addition another program goal was to try to develop a database to keep track of student employment as this is a very important success indicator in career technical programs.	☒ 1 ☒ 2 ☐ 3 ☐ 4
	☐ Met ☐ Partially Met ☒ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** Even though the program keeps track of students that are employed an official data base has not been constructed due to the lack of expertise in the area of technology and software creation.	

Comments:

B. PRESENT – DATA ANALYSIS AND PROGRAM HEALTH

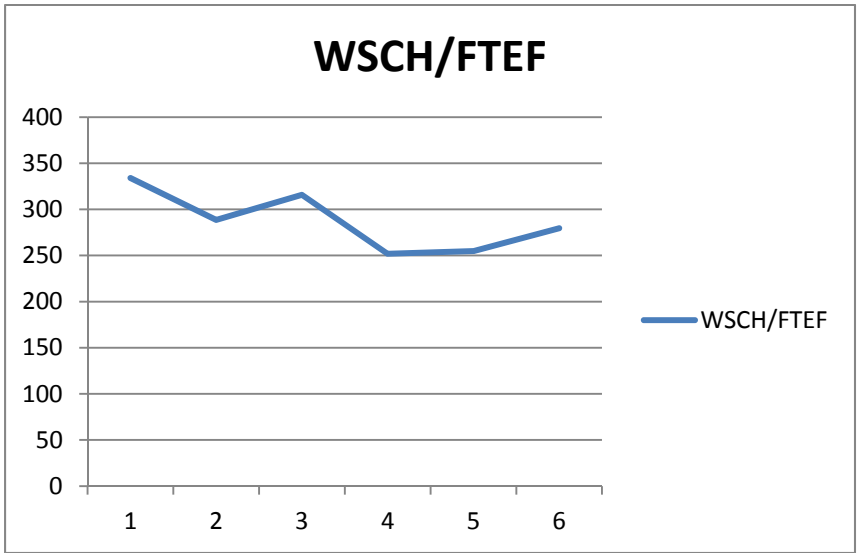
1. Summarize and analyze all disaggregated data by day, evening, gender, ethnicity, and distance education regarding enrollments, fill rates, productivity, completion, success, retention, persistence, and transfer (complete a, b, & c). ***Attach graphs or trend data***.





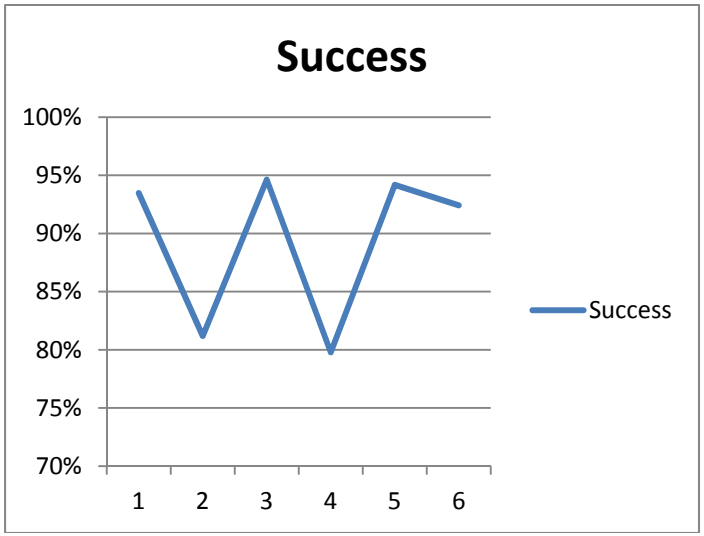
a. Discuss and chart the trends in enrollment and fill rate for each program by day and evening at the program level.

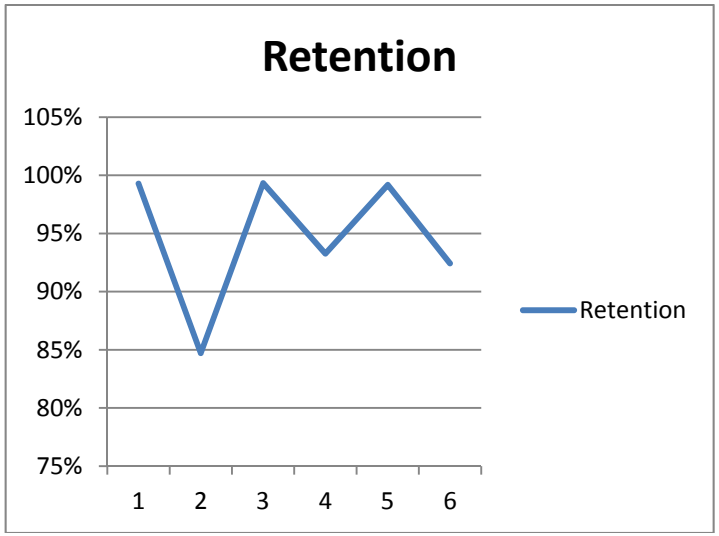
The trends for enrollment have decreased in the evening classes but the fill rate seems to be increasing. In the future more day classes will be offered to increase enrollment and fill rate because there seems to be more enrollment in the day classes.



b. What are the trends in productivity? (WSCH/FTEF) The goal is 525 as per state guidelines. A low number means that we are below target levels for productivity. For example, in a small class that has a mandated cap of 15 students, the fill rate may be 100% but the productivity number (WSCH/FTEF) will be very low. A class with a cap of 40 students with a 100% fill rate will have a productivity number close to or above 525.

The trends in productivity have decrease from fall 2010 to spring 2011 but are rising from spring 2012 and spring 2013 because the enrollment is increasing due to a change from evening to day offerings. In addition our productivity will always be below the state guidelines in our programs because our programs can't have classes with caps of 40 students due to the fact that these are shop related classes and the states set a maximum cap of 20 students for vocational classes due to safety requirements.

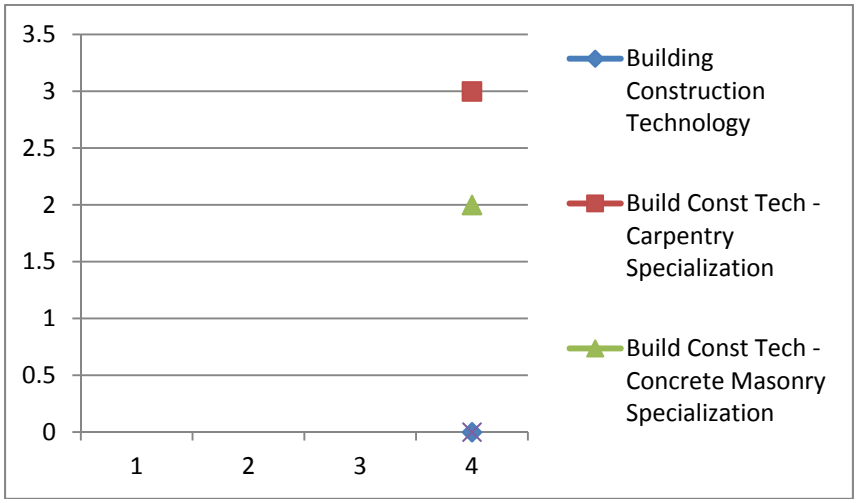




c. Discuss and chart the success and retention rates by day, evening (extended day), and online classes in each program and identify gaps.

   Success and retention rates have been steady in day classes. The success rate has an average of 89% while retention has an average of 94%.

d. Discuss and chart the success and retention rates in each program and identify gaps for five ethnic groups. (African-American, White, all Hispanics, Other, Unknown).
   The success rates for African American has an average of 90% and 100% retention. The success rates for Hispanic students has an average of 90% and a retention of 96%. The success rates for Mexican students has an average of 94% and a retention of 97%. The success rates for other Hispanic students has an average of 80% and a retention of 100%. The success rates for Unknown students has an average of 86% and a retention of 92%. The success rates for White students has an average of 94% and a retention of 94%.



e. Discuss the trends in the number of degrees or certificates awarded, if applicable. (You may be able to expand more about this in B.3 below.)

The number or certificates awarded for building construction technology is only 3 and the certificates for concrete masonry is 2. This trend seems to be low across the board for all of the vocational programs because students generally take two or more classes only to acquire the minimum skills to become employable and seldom return to complete their certificates once they are employed.

f. What program changes, if any, will you recommend that you expect would have a positive effect on your students in your program, if applicable?

The program is in the process of offering new short term certificates of new skills in which students will be more likely to complete them because they are going to be offered in a sequence that will be tied to the skill level for employment.

2. Summarize revisions, additions, deletions, or alternate delivery methods to courses and/or program based on the last program review.

Based on the last program review the certificate for project management was deleted due to the low enrollment and low completion rates, in addition this deletion was recommended by the construction advisory committee.

3. Evaluate the program's viability by addressing program completion, size (FTES), projections (growing/stable/declining), and quality of outcomes. For CTE programs, also include labor market projections, placement, and performance on external testing/exams (i.e. ASE, NABCEP) and industry-recognized credentials, placement, and performance on external testing or exams (NCLEX, ASC, NAP).

   The future of the program looks very appealing with the construction of a new state of the art lab facility where students will have access to new tools, equipment and technology to better prepare them for employment in the changing field of construction and the emerging field of energy efficiency.

C. FUTURE – LIST OF "SMART" (SPECIFIC MEASURABLE ATTAINABLE RELEVANT TIME-LIMITED) PROGRAM OBJECTIVES FOR NEXT ACADEMIC YEAR TO ADDRESS PROGRAM IMPROVEMENT, GROWTH, OR UNMET NEEDS/GOALS. ALL PROGRAM GOALS MUST ADDRESS AT LEAST ONE OF THE INSTITUTIONAL GOALS.

FUTURE PROGRAM GOALS (Describe future program goals. List in order of budget priority.)	INSTITUTIONAL GOAL(S) (Check all that apply.)

1	FUTURE PROGRAM GOAL #1 Budget Priority #1	INSTITUTIONAL GOAL(S)
Identify Goal: Develop new and improved program learning outcomes.		☐ 1 ☐ 2 ☒ 3 ☒ 4
Objective: Provide applicable program learning outcomes		
Task(s): Update program learning outcomes in curricunet.		
Timeline: November 2014		

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☐ One-Time ☐ Recurring	☐ Categorical Specify:	☐ General Fund	☐ Facilities ☐ Marketing ☐ Technology ☐ Professional Development ☐ Staffing	$

2	FUTURE PROGRAM GOAL #2 Budget Priority #2	INSTITUTIONAL GOAL(S)
Identify Goal: Increase the size of the program by hiring a new adjunct instructor		☒ 1 ☒ 2 ☐ 3 ☐ 4
Objective: Hire an adjunct instructor to help with the new courses		
Task(s): Submit request to hire to curriculum committee to prioritize a new position for this program.		
Timeline: August 2014		

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☐ One-Time ☒ Recurring	☒ Categorical Specify:	☐ General Fund	☐ Facilities ☐ Marketing ☐ Technology ☐ Professional Development ☒ Staffing	$40,000

3	FUTURE PROGRAM GOAL #3 Budget Priority #3	INSTITUTIONAL GOAL(S)
Identify Goal: Offer new courses and short skill certificates		☐ 1 ☐ 2 ☐ 3 ☐ 4
Objective: Train students on up to date skills that will lead to employment		
Task(s): Submit new certificates to curriculum committee for approval		
Timeline: October 2014		

EXPENSE TYPE	FUNDING TYPE		RESOURCE PLAN (Check all that apply.)	BUDGET REQUEST
☒ One-Time ☐ Recurring	☐ Categorical Specify:	☒ General Fund	☐ Facilities ☐ Marketing ☒ Technology ☐ Professional Development ☐ Staffing	$_____

TOTAL BUDGET REQUEST	$40,000

1. How will your enhanced budget request improve student success?

The enhanced budget will allow students a better opportunity for success by allowing them to complete the skills certificates faster and become employable after completing their certificates.

Comments:

III. INSTITUTIONAL STUDENT LEARNING OUTCOMES (ISLOs)

ISLO 1	COMMUNICATION SKILLS
ISLO 2	CRITICAL THINKING SKILLS
ISLO 3	PERSONAL RESPONSIBILITY
ISLO 4	INFORMATION LITERACY
ISLO 5	GLOBAL AWARENESS

IV. PROGRAM LEARNING OUTCOMES (PLOs)

PROGRAM LEARNING OUTCOMES (Describe learning outcomes.)	**ISLO(S)** [Link PLO to appropriate ISLO(s).]

PLO 1	**PROGRAM LEARNING OUTCOME #1**	**ISLO(S)**
	Identify Program Outcome: Measure and understand linear dimensions on plans using an architect scale to be able to interpret the actual measurement according to the scale being used.	☐ ISLO 1 ☐ ISLO 2 ☐ ISLO 3 ☐ ISLO 4 ☐ ISLO 5
	Measurable Outcome Summary:	
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** This outcome is assessed in various classes.	

PLO 2	PROGRAM LEARNING OUTCOME #2	ISLO(S)
	Identify Program Outcome: Perform cost estimates for a construction project using a local index.	☐ ISLO 1 ☐ ISLO 2 ☐ ISLO 3 ☐ ISLO 4 ☐ ISLO 5
	Measurable Outcome Summary:	
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** This outcome is assessed in one of the program classes.	

PLO 3	PROGRAM LEARNING OUTCOME #3	ISLO(S)
	Identify Program Outcome: Understand the relationship between tensile strength and compressive strength to understand how they interact under pressure.	☐ ISLO 1 ☐ ISLO 2 ☐ ISLO 3 ☐ ISLO 4 ☐ ISLO 5
	Measurable Outcome Summary:	
	☒ Met ☐ Partially Met ☐ Not Met **Provide detail on any improvements/effectiveness and detail status on those not fully met:** This outcome is assessed in various classes.	

***** ATTACH PLO/SLO GRID *****

Course Number	Outcomes	Fall 12	Spring 13	Summer	Winter
BLDC101	**88% of student meet all outcomes**	x	x	N/A	N/A
BLDC110	**90% of students meet all outcomes**	x	N/A	N/A	N/A
BLDC130	**85% of students meet all outcomes**	x	N/A	N/A	N/A
BLDC135	**90% of students meet all outcomes**	N/A	N/A	N/A	N/A
BLDC140	**84% of students meet all outcomes**	x	N/A	N/A	N/A
BLDC145	**95% of students meet all outcomes**	x	N/A	N/A	N/A
BLDC170	**90% of students meet all outcomes**	N/A	N/A	N/A	N/A
BLDC180	**90% of students meet all outcomes**	N/A	N/A	N/A	N/A